

PTO/SB/97 (08-04)

Approved for use through 07/31/2006. OMB 0651-0031

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**FAX COVER SHEET****May 25, 2007***Please deliver the following 14 page(s) (This includes this cover sheet.)***RECIPIENTS**

Name	Firm	Phone Number	Fax Number
Petitions Department	U.S. Patent and Trademark Office		571-273-0100

**FROM**      Gerald E. Helget/Nelson R. Capes  
**PHONE**    (612) 977-8480/(612) 977-8486

**Certificate of Transmission under 37 CFR 1.8**

I hereby certify that this correspondence is being transmitted via facsimile to the Petitions Department of the U.S. Patent and Trademark Office at fax number **571-273-0100**.

on May 25, 2007.

Date



Signature

Gerald E. Helget

Typed or printed name of person signing Certificate

30,948

612-977-8480

Registration Number if applicable

Telephone Number

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

1. Petition to Withdraw Holding of Abandonment Under 37 C.F.R. § 1.181
2. Copy of Notice of Abandonment mailed April 3, 2007
3. Copy of Amendment and Response filed December 14, 2006 for Application No. 10/052,210
4. Copy of Return Receipt Postcard showing receipt by PTO on December 20, 2006
5. Copy of Certificate of Transmission Under 37 C.F.R. 1.8 faxed to Examiner Bhat on March 12, 2007 and showing transmission of Amendment and Response filed December 14, 2006 and Return Receipt Postcard showing receipt by PTO on December 20, 2006.

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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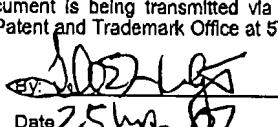
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No.:	10/050,210	Examiner:	Nina N. Bhat
Confirm. No.:	6284	Group Art Unit:	1764
Filed:	January 15, 2002	Docket No.:	33155.8
Title:	STEAM GENERATOR		

MAIL STOP PETITIONS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

CERTIFICATE OF FACSIMILE TRANSMISSION

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Date 25 Mar 07

PETITION TO WITHDRAW HOLDING OF ABANDONMENT  
UNDER 37 C.F.R. § 1.181

Madam:

This petition is filed in response to the Notice of Abandonment mailed April 3, 2007 (copy enclosed) with regard to the above-referenced matter. The Notice of Abandonment states that the application was abandoned for failure to timely reply to the Office Action mailed on September 15, 2006, and that a reply has not been received.

On December 14, 2006, Applicant timely filed a response to the Office Action mailed on September 25, 2006. Copies of the Transmittal Cover Letter, Amendment and Response, and the return receipt postcard are enclosed. Please note, the certificate of mailing indicates the Amendment and Response were mailed on December 14, 2006 and the return receipt postcard has the Patent Office date stamp affixed thereon acknowledging receipt of the Amendment and Response on December 20, 2006.

On March 12, 2007, Applicant again submitted the Amendment and Response via facsimile to 571-273-8300 at the request of Examiner Nina N. Bhat, and directed to her attention. A copy of the Certificate of Transmission Under 37 CFR 1.8 and the Job Status Report showing successful transmission are also enclosed.

2032650v1

In view of the foregoing, Applicant respectfully requests that this application be reinstated. Applicant does not believe any fee is due with regard to this Petition for Reinstatement. However, should the Office disagree, authorization is hereby made to deduct any charges and/or credit any overpayments to Deposit Account No. 023732.

Should you have any questions, please do not hesitate to contact the undersigned at the address and telephone number set forth below.

Respectfully submitted,

Dated: 25 May 07

By   
Gerald E. Helget (Reg. No. 30,948)  
BRIGGS AND MORGAN, P.A.  
2200 IDS Center  
80 South Eighth Street  
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GEH:ims

2032650v1



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/050,210      01/15/2002  
32300      7590      04/03/2007  
BRIGGS AND MORGAN P.A.  
2200 IDS CENTER  
80 SOUTH 8TH ST  
MINNEAPOLIS, MN 55402

Guy-Paul Alix

Cabinet  
33155.8

RECEIVED

APR 09 2007

16721-106      6284

EXAMINER

BHAT, NINA NMN

ART UNIT

PAPER NUMBER

1764

BRIGGS AND MORGAN, P.A.  
IP DOCKETING DEPT

MAIL DATE

DELIVERY MODE

04/03/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Notice of Abandonment</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/050,210	ALIX ET AL.
	Examiner	Art Unit
	N. Bhat	1764

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*

This application is abandoned in view of:

1.  Applicant's failure to timely file a proper reply to the Office letter mailed on 15 September 2006.
  - (a)  A reply was received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the period for reply (including a total extension of time of \_\_\_\_\_ month(s)) which expired on \_\_\_\_\_.
  - (b)  A proposed reply was received on \_\_\_\_\_, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection. (A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
  - (c)  A reply was received on \_\_\_\_\_ but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).
  - (d)  No reply has been received.
  
2.  Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
  - (a)  The issue fee and publication fee, if applicable, was received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
  - (b)  The submitted fee of \$\_\_\_\_\_ is insufficient. A balance of \$\_\_\_\_\_ is due.  
The issue fee required by 37 CFR 1.18 is \$\_\_\_\_\_. The publication fee, if required by 37 CFR 1.18(d), is \$\_\_\_\_\_.
  - (c)  The issue fee and publication fee, if applicable, has not been received.
  
3.  Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
  - (a)  Proposed corrected drawings were received on \_\_\_\_\_ (with a Certificate of Mailing or Transmission dated \_\_\_\_\_), which is after the expiration of the period for reply.
  - (b)  No corrected drawings have been received.
  
4.  The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
  
5.  The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
  
6.  The decision by the Board of Patent Appeals and Interference rendered on \_\_\_\_\_ and because the period for seeking court review of the decision has expired and there are no allowed claims.
  
7.  The reason(s) below:

The examiner called applicant's representative on 3-30-2007, to indicated that this case was to be abandoned as no response has been filed. Applicant's representative had out of the office until 4-4-2007.

N. Bhat  
Primary Examiner  
Art Unit: 1764

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

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**FAX COVER SHEET**

March 12, 2007

*Please deliver the following 8 page(s) (This includes this cover sheet)***RECIPIENTS**

Name	Firm	Phone Number	Fax Number
Examiner Nina Bhat	U.S. Patent and Trademark Office	571-273-8300	

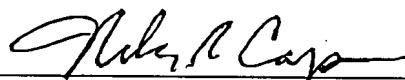
**FROM**      Gerald E. Helget/Nelson R. Capes  
**PHONE**    (612) 977-8480/(612) 977-8486

**Certificate of Transmission under 37 CFR 1.8**

I hereby certify that this correspondence is being transmitted via facsimile to Examiner Nina Bhat of the U.S. Patent and Trademark Office at fax number 571-273-8300

on March 12, 2007.

Date



Signature

Nelson R. Capes

Typed or printed name of person signing Certificate

37,106

612-977-8486

Registration Number if applicable

Telephone Number

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

1. Resubmission of Amendment and Response filed December 14, 2006 for Application No. 10/052,210
2. Photocopy of Return Receipt Postcard showing PTO receipt date of December 20, 2006

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## JOB STATUS REPORT

TIME : 03/12/2007 10:44  
 NAME : BRIGGS MORGAN MPLS  
 FAX# : +  
 TEL# :  
 SER. # : 000004045849

DATE, TIME	03/12 10:42
FAX NO./NAME	2#854
DURATION	00:01:59
PAGE(S)	08
RESULT	OK.
MODE	STANDARD ECM

PTO/SB/07 (09-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**FAX COVER SHEET**

March 12, 2007

*Please deliver the following 8 page(s) (This includes this cover sheet)***RECIPIENTS**

Name	Firm	Phone Number	Fax Number
Examiner Nina Bhat	U.S. Patent and Trademark Office	571-273-8300	

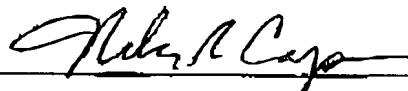
FROM : Gerald E. Helget/Nelson R. Capes  
 PHONE : (612) 977-8480/(612) 977-8486

**Certificate of Transmission under 37 CFR 1.8**

I hereby certify that this correspondence is being transmitted via facsimile to Examiner Nina Bhat of the U.S. Patent and Trademark Office at fax number 571-273-8300

on March 12, 2007.

Date



Signature

Nelson R. Capes

Typed or printed name of person signing Certificate

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Guy-Paul Alix, Stephane Lintnaff  
Appln. No.: 10/052,210  
Filed: January 15, 2002  
For: STEAM GENERATOR  
Attorney: Gerald E. Helget  
Attorney Docket No.: 33155.8  
Confirmation No.: 6284  
Group Art Unit: 1764  
Examiner: Nina Nmn Bhat  
Additional Fees: Charge to Deposit Account No. 02-3732

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

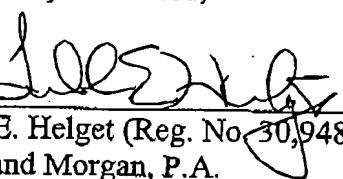
**TRANSMITTAL COVER LETTER**

Madam:

Enclosed for filing please find the following:

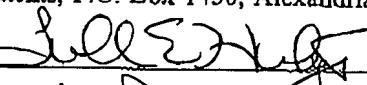
1. Amendment/Response
2. Postcard receipt.

Respectfully submitted,

Dated: 14 Dec 06  
By   
Gerald E. Helget (Reg. No. 30,948)  
Briggs and Morgan, P.A.  
2200 IDS Center  
80 South Eighth Street  
Minneapolis, MN 55402  
Telephone: 612-977-8480

**CERTIFICATE OF MAILING**

I hereby certify that this document is being deposited with the United States Postal Service as First Class Mail, in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

By   
Date 14 Dec 06

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re Appln: Guy-Paul Alix, Stephane Lintnaff  
Appln Serial No.: 10/052,210  
Filed: January 15, 2002  
For: STEAM GENERATOR  
Attorney: Gerald E. Helget  
Attorney Docket No.: 33155.8  
Confirmation No.: 6284  
Group Art Unit: 1764  
Examiner: Nina Nmn Bhat  
Additional Fees: Charge to Deposit Account No. 02-3732

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE**

Madam:

This paper is being filed in response to the Final Official Office Action mailed September 15, 2006. Reconsideration of this application is respectfully requested.

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By JES  
Date 14 Dec 06

197606171

IN THE CLAIMS:

1 - 11 (canceled)

Please cancel claims 12-23 without prejudice

12-23 (canceled)

Please add the following new claims:

24. (New) An air-humidifying steam generator which humidifies air in an aircraft air conditioning system, comprising:
  - an air conditioning system;
  - a heat exchanger comprised of an envelope;
  - at least one first tank containing a water-based fluid, said or each tank is connected to the heat exchanger;
  - a thermochemical reactor connected to the heat exchanger, the thermochemical reactor consisting of a second tank containing a first reagent and a third tank containing a second a second reagent;
  - a steam discharge outlet connected to the envelope and to the air conditioning system; wherein the envelope is about the second tank;
  - wherein the first reagent and the second reagent are combined to create a thermochemical reaction in the second tank; converting the water-based fluid held in the envelope into steam; and
  - wherein the steam is released into the aircraft air conditioning system through the steam discharge outlet.
25. (New) The steam generator in claim 24, wherein the envelope houses the second tank in a coaxial orientation.
26. (New) The steam generator in claim 25, wherein the first reagent is a composite of calcium chloride and expanded natural graphite and the second reagent is an ammonia gas.
27. (New) The steam generator in claim 26, wherein the envelope is made of metal.
28. (New) The steam generator in claim 27, further comprising a conduit with a free open end, wherein the air conditioning system having a duct; and wherein the steam discharge

outlet connects to the conduit, and the free open end opens into the duct of the air conditioning system.

29. (New) The steam generator in claim 28, wherein the free open end of the conduit is equipped with a diffuser.

30. (New) The steam generator in claim 29, wherein the envelope is equipped with a pressure safety valve which keeps the fluid under steam pressure while the fluid is being vaporized in said envelope.

31. (New) The steam generator in claim 30, wherein the first tank is connected, through an intermediary of distribution piping to the heat exchanger, the distribution piping equipped with a valve allowing adjustment of the flow rate of the fluid toward the heat exchanger.

32. (New) The steam generator in claim 31, wherein the third tank is connected through a valve to the first tank.

33. (New) The steam generator in claim 32, further comprising a control unit, and wherein the valves are power-operated and controlled by the control unit allowing adjustment of the flow rate of the steam produced by the steam generator.

34. (New) An air-humidifying steam generator which humidifies air in an aircraft air conditioning system, comprising:

an air conditioning system;

a heat exchanger comprised of an envelope;

at least one first tank containing a water-based fluid, said or each tank is connected to the heat exchanger;

a thermochemical reactor connected to the heat exchanger, the thermochemical reactor consisting of a second tank containing a first reagent and a third tank containing a second reagent;

a steam discharge outlet equipped with a diffuser, the steam discharge outlet connected to the envelope and to the air conditioning system;

wherein the envelope is about the second tank in coaxial orientation;

- wherein the first reagent and the second reagent are combined to create a thermochemical reaction in the second tank, converting the water-based fluid held in the envelope into steam; and
- wherein the steam is released into the aircraft air conditioning system through the steam discharge outlet.
35. (New) An air-humidifying steam generator which humidifies air in an aircraft air conditioning system, comprising;
- an air conditioning system;
  - a heat exchanger comprised of a metal envelope;
  - at least one first tank containing a water-based fluid, said or each tank is connected to the heat exchanger;
  - a thermochemical reactor connected to the heat exchanger, the thermochemical reactor consisting of a second tank containing a first reagent and a third tank containing a second reagent;
  - a steam discharge outlet equipped with a diffuser , the steam discharge outlet connected to the envelope and to the air conditioning system;
  - wherein the envelope is about the second tank, in a coaxial orientation;
  - wherein the first reagent is a composite of calcium chloride and expanded natural graphite and the second reagent is an ammonia gas,
  - wherein the first reagent and the second reagent are combined to create a thermochemical reaction in the second tank, converting the water-based fluid held in the envelope into steam; and
  - wherein the steam is released into the aircraft air conditioning system through the steam discharge outlet.

REMARKS/ARGUMENTS

Responsive to the Final Office Action mailed September 15, 2006. The Applicants hereby cancel claims 12-23 without prejudice. The Applicants hereby present new claims 24-35, and assert that all of the new claims are consistent with the Office Action's stated "reasons for the indication of allowable subject matter" described on page 3 of the Office Action. The Applicants request allowance of all claims and issuance of a notice of allowance.

I. NON-PRIOR ART MATTERS FOR CLAIMS 12-23 ARE MOOT

Since the Applicants have elected to cancel claims 12-23 without prejudice, the objections and rejections described in the Office Action are moot. To the extent that there were pending objections as to formalities, and rejections under 35 U.S.C. 112; the Applicants do not concede that the rejections and objections have merit. Instead, the Applicants cancel the claims without prejudice to speed along an early and prompt allowance of claims covering the Applicants' invention. The Applicants reserve their rights to file subsequent continuation and continuation in part applications without prejudice thereto.

II. NO PRIOR ART MATTERS IN OFFICE ACTION

There were no prior art matters in the Final Office Action mailed September 9, 2006. The Applicants acknowledge that the Examiner has withdrawn the rejection based on the Douwens et al. reference.

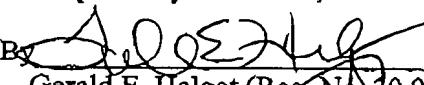
III. REQUEST FOR ALLOWANCE OF CLAIMS 24-35

For the above reasons, the Applicants respectfully request the allowance of all claims and the issuance of a Notice of Allowance. To the extent that the Examiner does not agree that a notice of allowance should issue, the Applicants requests that the Examiner contact the Applicants' attorney to discuss any issues.

Dated:

14 Dec 06

Respectfully submitted,

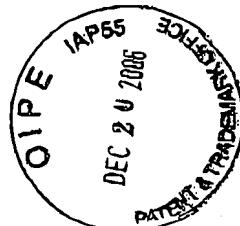
By   
Gerald E. Helget (Reg. No. 30,948)  
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Telephone: (612) 977-8480

Applicant: Guy-Paul Alix, Stephane Lintnaff  
Appl. No.: 10/052,210  
Filed: January 15, 2002  
For: STEAM GENERATOR

Receipt is hereby acknowledged by the U.S. Patent and Trademark Office for the following:

1. Transmittal Cover Letter;
2. Amendment/Response

for the above-referenced patent application.



Docket No. 33155.8      December 14, 2006

GEH:ms

*Cabinet Le Gruen + Maillot*

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**DEC 27 2006**

**BRIGGS AND MORGAN, P.A.  
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